



copy of papers
originally filed

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Baiju Shah et al.

Examiner: na

Serial No. 10/090,550

Art Group: 2161

Filing Date: March 4, 2002

Docket No. 33836000019

Title: CONTENT BANK FOR OBJECTS

Assistant Commissioner for Patents
Washington, D.C. 20231

Certificate of First Class Mailing
I hereby certify that this paper is being deposited with the
United States Postal Service as first-class mail in an
envelope addressed to: Assistant Commissioner for
Patents and Trademarks, Washington, D.C. 20231, on this
date.

6-4-02
Date

Christine A. Wright
Christine A. Wright

CORRECTION TO FILING RECEIPT

Dear Sir:

We have received the official Filing Receipt for the above identified application and noted the following errors:

1. The Title should read "Content bank for objects" in place of "Content bank for object." A copy of the front page of the application is enclosed.

A copy of the filing receipt noting the above requested changes in red is enclosed. Please issue a corrected filing receipt. If there are any questions, please feel free to contact the undersigned directly at (312) 609-7536.

Respectfully submitted,

Dated: 6/4/02

By: *Christopher P. Moreno*
Christopher P. Moreno
Reg. No. 38,566

Vedder, Price, Kaufman & Kammholz
222 North LaSalle Street
Chicago, Illinois 60601
(312) 609-7797
(312) 609-5005 (fax)



UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
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APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
10/090,550	03/04/2002	2161	2456	33836000019	10	78	11

CONFIRMATION NO. 7097

30498
VEDDER PRICE/ACCENTURE
222 NORTH LASALLE STREET
CHICAGO, IL 60601



FILING RECEIPT



OC000000007801229

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Date Mailed: 04/05/2002

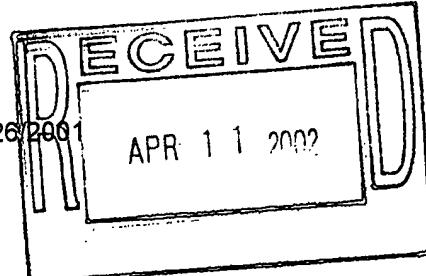
Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Baiju Shah, Palatine, IL;
Ryan C. Horner, Evanston, IL;

Domestic Priority data as claimed by applicant

THIS APPLICATION IS A CIP OF 09/817,917 03/26/2001



Foreign Applications

If Required, Foreign Filing License Granted 04/04/2002

Projected Publication Date: Request for Non-Publication Acknowledged

Non-Publication Request: Yes

Early Publication Request: No

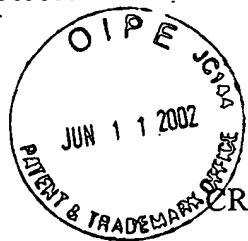
Title

objects

Content bank for object

Preliminary Class

705



CONTENT BANK FOR OBJECTS

CROSS-REFERENCE TO RELATED APPLICATION

[0001] The instant application is a continuation-in-part of U.S. Patent Application Ser. No. 09/817,917, entitled METHODS AND APPARATUS FOR PROCESSING DATA IN A CONTENT NETWORK and filed March 26, 2001, the entire disclosure of which is hereby incorporated by this reference.

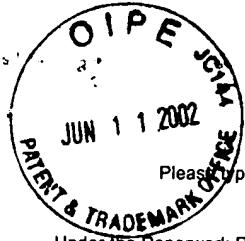
FIELD OF THE INVENTION

[0002] The present invention relates to the transfer of object-related information across one or more physical networks and, in particular, to a method and apparatus for processing object-related information in content networks thereby facilitating management of direct interactions with objects.

BACKGROUND OF THE INVENTION

[0003] It is common for entities (i.e., individuals or institutions) that are separately involved in the manufacturing, selling, utilizing and servicing of objects to separately possess information about such objects that may be of use to other entities. Conversely, entities that could benefit from access to certain types of object-related information routinely cannot obtain such information because it is in the possession of other entities with which they have no regular channel of communication. Entities are often required to go through time consuming and burdensome steps to obtain information about objects possessed by other entities.

[0004] The resulting inefficiencies are manifested in numerous ways. Companies that embed sensors in their equipment often do not have the capability to exploit that data for improved business results. For example, many industrial equipment manufacturers equip their products to provide Global Positioning System (GPS) data, but are typically unable to use such data in a meaningful way. As an extension of this problem, dynamic process interactions are often not conducted with the greatest possible efficiency. For example, underutilized truck fleets are a common occurrence because freight customers are often not aware of available cargo space.



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PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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\$Recd #3

TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number	10/090,550
Filing Date	March 4, 2002
First Named Inventor	Baiju Shah
Group Art Unit	2161
Examiner Name	na
Total Number of Pages in This Submission	Attorney Docket Number
	33836000019

ENCLOSURES (check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input checked="" type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input checked="" type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input checked="" type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): -Return Postcard -Copy of Notice to File Missing Parts -Declaration for Patent Application -Marked up copy of filing receipt -Correction to Filing Receipt
Remarks		

Trans
Listed in Assignment
but not in PCTive cover sheet

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Christopher P. Moreno, Reg. No. 38,566
Signature	
Date	6/4/02

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date:

Typed or printed name	Christine A. Wright
Signature	
Date	6-4-02

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

JUN 11 2002

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Fee Transmittal for FY 2002

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$ 170.00)

Complete if Known

Application Number	10/090,550
Filing Date	03/04/2002
First Named Inventor	Baiju Shah
Examiner Name	na
Group Art Unit	2161
Attorney Docket No.	33836000019

METHOD OF PAYMENT

1. The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number 22-0259
Deposit Account Name Vedder, Price, Kaufman & Kammholz

Charge Any Additional Fee Required
Under 37 CFR 1.16 and 1.17

Applicant claims small entity status.
See 37 CFR 1.27

2. Payment Enclosed:

Check Credit card Money Order Other

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Small Entity

Fee Code (\$)	Fee (\$)	Fee Code (\$)	Fee (\$)	Fee Description	Fee Paid
101	740	201	370	Utility filing fee	
106	330	206	165	Design filing fee	
107	510	207	255	Plant filing fee	
108	740	208	370	Reissue filing fee	
114	160	214	80	Provisional filing fee	

SUBTOTAL (1) (\$ 0.00)

2. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from below	Fee Paid
Independent Claims	-20** =		
Multiple Dependent	-3** =		

Large Entity Small Entity

Fee Code (\$)	Fee (\$)	Fee Code (\$)	Fee Description
103	18	203	9 Claims in excess of 20
102	84	202	42 Independent claims in excess of 3
104	280	204	140 Multiple dependent claim, if not paid
109	84	209	42 ** Reissue independent claims over original patent
110	18	210	9 ** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$ 0.00)

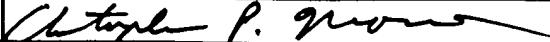
**or number previously paid, if greater; For Reissues, see above

3. ADDITIONAL FEES

Fee Code (\$)	Fee (\$)	Fee Code (\$)	Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	130.00
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for ex parte reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	920	217	460	Extension for reply within third month	
118	1,440	218	720	Extension for reply within fourth month	
128	1,960	228	980	Extension for reply within fifth month	
119	320	219	160	Notice of Appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,280	241	640	Petition to revive - unintentional	
142	1,280	242	640	Utility issue fee (or reissue)	
143	460	243	230	Design issue fee	
144	620	244	310	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17(q)	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	40.00
146	740	246	370	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))	
179	740	279	370	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	
Other fee (specify)					

*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$ 170.00)

SUBMITTED BY

Name (Print/Type)	Christopher P. Moreno	Registration No. (Attorney/Agent)	38,566	Telephone	312-609-7797
Signature				Date	06/04/2002

WARNING: Information on this form may become public. Credit card information should not be included in this form. Provide credit card information and authorization on PTO-2038.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
(Docket No. 33836000019)

IN RE APPLICATION OF

Baiju Shah et al.

Serial No. 10/090,550

Filed: March 4, 2002

For: CONTENT BANK FOR OBJECTS

Examiner: na

Group Art Unit: 2161

**RESPONSE TO NOTICE TO FILE MISSING PARTS
OF NONPROVISIONAL APPLICATION
FILING DATE GRANTED**

BOX MISSING PARTS

Assistant Commissioner of Patents
Washington, D.C. 20231

Sir:

In response to the Notice to File Missing Parts of Nonprovisional Application mailed April 5, 2002, applicant hereby submits the following: Declaration; fee transmittal form for all filing fees and surcharges; and a copy of the Notice To File Missing Parts.

Respectfully submitted,

Date: 6/4/02

By: Christopher P. Moreno
Christopher P. Moreno
Reg. No. 38,566

Vedder, Price, Kaufman & Kammholz
222 North LaSalle Street
Chicago, Illinois 60601
(312) 609-7797
(312) 609-5005 Facsimile



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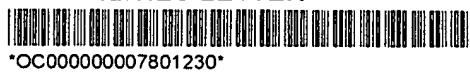
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APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/090,550	03/04/2002	Baiju Shah	33836000019

30498
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222 NORTH LASALLE STREET
CHICAGO, IL 60601



CONFIRMATION NO. 7097
FORMALITIES LETTER



OC000000007801230

Date Mailed: 04/05/2002

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- o The oath or declaration is unsigned.
- o To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(l) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- o **The balance due by applicant is \$ 130.**

*A copy of this notice **MUST** be returned with the reply.*

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

06/14/2002 EAREGAY1 00000109 220259 10090550

01 FC:105 130.00 CH